

What is claimed is:

1. An image display device comprising:
  - a plurality of pixels which are arranged in matrix;
  - 5 a plurality of data signal lines;
  - a plurality of scanning lines;
  - a first driver circuit which controls the data signal lines; and
  - a second driver circuit which controls the scanning lines, and
  - 10 a testing circuit comprising a plurality of NAND circuits connected in series;  
wherein each of the plurality of data signal lines is connected to each of input portions of the plurality of NAND circuits;
  - wherein an output portion of the testing circuit is connected to a testing terminal and an input portion of the testing circuit is connected to a power source, and
  - 15 wherein the first driver circuit and the plurality of pixels are connected to the testing circuit through the data signal line.

2. A image display device according to claim 1, wherein an electronic device mounting the image display device is any one of a laptop personal computer, a portable information terminal, a video camera, a cellular phone, a digital camera.

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3. A testing method of an image display device:
    - a plurality of pixels which are arranged in matrix;
    - a plurality of data signal lines;
    - a plurality of scanning lines;
    - 25 a first driver circuit which controls the data signal lines; and
    - a second driver circuit which controls the scanning lines, and
    - a testing circuit comprising a plurality of NAND circuits connected in series;
    - wherein each of the plurality of data signal lines is connected to each of input portions of the plurality of NAND circuits;
    - 30 wherein an output portion of the testing circuit is connected to a testing terminal and an input portion of the testing circuit is connected to a power source;
    - wherein the first driver circuit and the plurality of pixels are connected to the testing circuit through the data signal line, and
    - 35 wherein a testing pulse is inputted to the testing circuit and a square wave signal is supplied to an output portion of the testing terminal in accordance with the testing pulse.

4. A testing method of an image display device according to claim 3:  
wherein the testing pulse is outputted to the data signal line in accordance with  
the input of a video signal.

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5. A testing method of an image display device according to claim 3:  
wherein the testing pulse is a High signal in all the data signal lines and is  
switched sequentially into a Low signal.

10 6. A testing method of an image display device according to claim 3:  
wherein the testing pulse is inputted simultaneously to the NAND circuits  
connected in series.

15 7. An image display device comprising:  
a plurality of data signal lines;  
a plurality of scanning lines extending orthogonally to said plurality of gate lines;  
a plurality of pixels surrounded by said plurality of gate lines and said plurality of  
source lines;  
a first driver circuit which controls the data signal lines; and  
20 a second driver circuit which controls the scanning lines, and  
a testing circuit comprising a plurality of NAND circuits connected in series;  
wherein each of the plurality of data signal lines is connected to each of input  
portions of the plurality of NAND circuits;  
wherein an output portion of the testing circuit is connected to a testing  
25 terminal and an input portion of the testing circuit is connected to a power source, and  
wherein the first driver circuit is connected to the testing circuit through the  
data signal line.

30 8. A image display device according to claim 7, wherein an electronic device  
mounting the image display device is any one of a laptop personal computer, a portable  
information terminal, a video camera, a cellular phone, a digital camera.

35 9. A testing method of an image display device:  
a plurality of data signal lines;  
a plurality of scanning lines extending orthogonally to said plurality of gate lines;  
a plurality of pixels surrounded by said plurality of gate lines and said plurality of

source lines;

a first driver circuit which controls the data signal lines; and

a second driver circuit which controls the scanning lines, and

a testing circuit comprising a plurality of NAND circuits connected in series;

5       wherein each of the plurality of data signal lines is connected to each of input portions of the plurality of NAND circuits;

wherein an output portion of the testing circuit is connected to a testing terminal and an input portion of the testing circuit is connected to a power source,

wherein the first driver circuit is connected to the testing circuit through the

10      data signal line, and

wherein a testing pulse is inputted to the testing circuit and a square wave signal is supplied to an output portion of the testing terminal in accordance with the testing pulse.

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10. A testing method of an image display device according to claim 9:

wherein the testing pulse is outputted to the data signal line in accordance with the input of a video signal.

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11. A testing method of an image display device according to claim 9:

wherein the testing pulse is a High signal in all the data signal lines and is switched sequentially into a Low signal.

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12. A testing method of an image display device according to claim 9:

wherein the testing pulse is inputted simultaneously to the NAND circuits connected in series.

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